



Product: [9953](#)

Electronic, 3 C #16 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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Product Description

Electronic, 3 Conductor 16AWG (19x29) Tinned Copper, PVC-NYL Insulation, Overall Tinned Copper Braid(90%) Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	MIL-W-16878 (Type B) Spec; up to 600V analog signals ; up to 600V voltage control
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in (0.41 mm)	0.088 in (2.2 mm)	White, Black, Red

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	95%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.264 in

Overall Cable Diameter (Nominal):	0.264 in.
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
4.4 Ohm/1000ft	58 pF/ft (190 pF/m)	101 pF/ft (331 pF/m)	6.5 Amps per Conductor at 25°C

Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-20°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
2.64 in (67.1 mm)	2.64 in

Max. Pull Tension:	120 lbs (54 kg)
Bulk Cable Weight:	52 lbs/1000ft

Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
Military Compliance:	MIL-W-16878E/17 (insulated conductor)
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.390 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9953 009100	White	612825265139	
9953 0091000	White	612825265146	C
9953 009500	White	612825265153	C

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